

What is claimed is

1. A flame-retarding thermoplastic resin composition comprising

- (A) a component of thermoplastic resin,
- (B) a component of nitrogen atom-containing phosphatic compound,
- (C) a component of hydroxyl group-containing compound or partly esterified product thereof and
- (D) a component of neutralizer for acids,

wherein the proportion of each component is such that the component (A) is in the range from 60 to 90 parts by weight, the sum of the components (B)+(C) is in the range from 10 to 40 parts by weight and the component (D) is in the range from 0.1 to 5 parts by weight, per 100 parts by weight of the total sum of (A)+(B)+(C), respectively, wherein the weight ratio of (B)/(C) amounts to at least 1.

2. A flame-retarding thermoplastic resin composition comprising

- (A) a component of thermoplastic resin,
- (B) a component of nitrogen atom-containing phosphatic compound,
- (C) a component of hydroxyl group-containing compound or partly esterified product thereof,
- (D) a component of neutralizer for acids and
- (E) a component of triazine derivative,

wherein the proportion of each component is such that the component (A) is in the range from 60 to 90 parts by weight, the sum of the components (B)+(C) is in the

range from 10 to 40 parts by weight, the component (D) is in the range from 0.1 to 5 parts by weight and the component (E) is in the range from 0 to 5 parts by weight, per 100 parts by weight of the total sum of (A)+(B)+(C), respectively, wherein the weight ratio of (B)/(C) amounts to at least 1.

3. A flame-retarding thermoplastic resin composition comprising

- (A) a component of thermoplastic resin,
- (B) a component of nitrogen atom-containing phosphatic compound,
- (C) a component of hydroxyl group-containing compound or partly esterified product thereof,
- (D) a component of neutralizer for acids and
- (F) a component of metal alkoxide,

wherein the proportion of each component is such that the component (A) is in the range from 60 to 90 parts by weight, the sum of the components (B)+(C) is in the range from 10 to 40 parts by weight, the component (D) is in the range from 0.1 to 5 parts by weight and the component (F) is in the range from 0.01 to 5 parts by weight, per 100 parts by weight of the total sum of (A)+(B)+(C), respectively, wherein the weight ratio of (B)/(C) amounts to at least 1.

4. The flame-retarding thermoplastic resin composition as claimed in any one of claims 1 to 3, wherein the thermoplastic resin of the component (A) comprises polyolefin resins, polystyrene resin, polyamide resins, polyester resins, polycarbonate resins, polyphenylene ether resins and modified

polyphenylene ether resins.

5. The flame-retarding thermoplastic resin composition as claimed in claim 4, wherein the polyolefin resin comprises a polyethylene resin, polypropylene resin, poly-1-butene resin and poly-4-methyl-1-pentene resin.

6. The flame-retarding thermoplastic resin composition as claimed in any one of claims 1 to 5, wherein the nitrogen atom-containing phosphatic compound of the component (B) comprises a melamine pyrophosphate, ammonium polyphosphate and melamine polyphosphate.

7. The flame-retarding thermoplastic resin composition as claimed in any one of claims 1 to 6, wherein the hydroxyl group-containing compound or the partly esterified product thereof of the component (C) comprises pentaerythritol, dipentaerythritol, a partly esterified pentaerythritol and a partly esterified dipentaerythritol.

8. The flame-retarding thermoplastic resin composition as claimed in any one of claims 1 to 7, wherein the neutralizer for acids of component (D) comprises hydrotalcite, metal basic oxides and metal basic hydroxides.

9. The flame-retarding thermoplastic resin composition as claimed in any one of claims 2 and 4 to 8, wherein the triazine derivative of the component (E) comprises melamine and melamine cyanurate.

10. The flame-retarding thermoplastic resin composition as claimed in any one of claims 3 to 9,

wherein the metal alkoxide of the component (F) comprises titaninim alkoxides.

11. A formed article of flame-retarding resin obtained by subjecting the flame-retarding thermoplastic resin composition as claimed in any one of claims 1 to 10 to a forming process.

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